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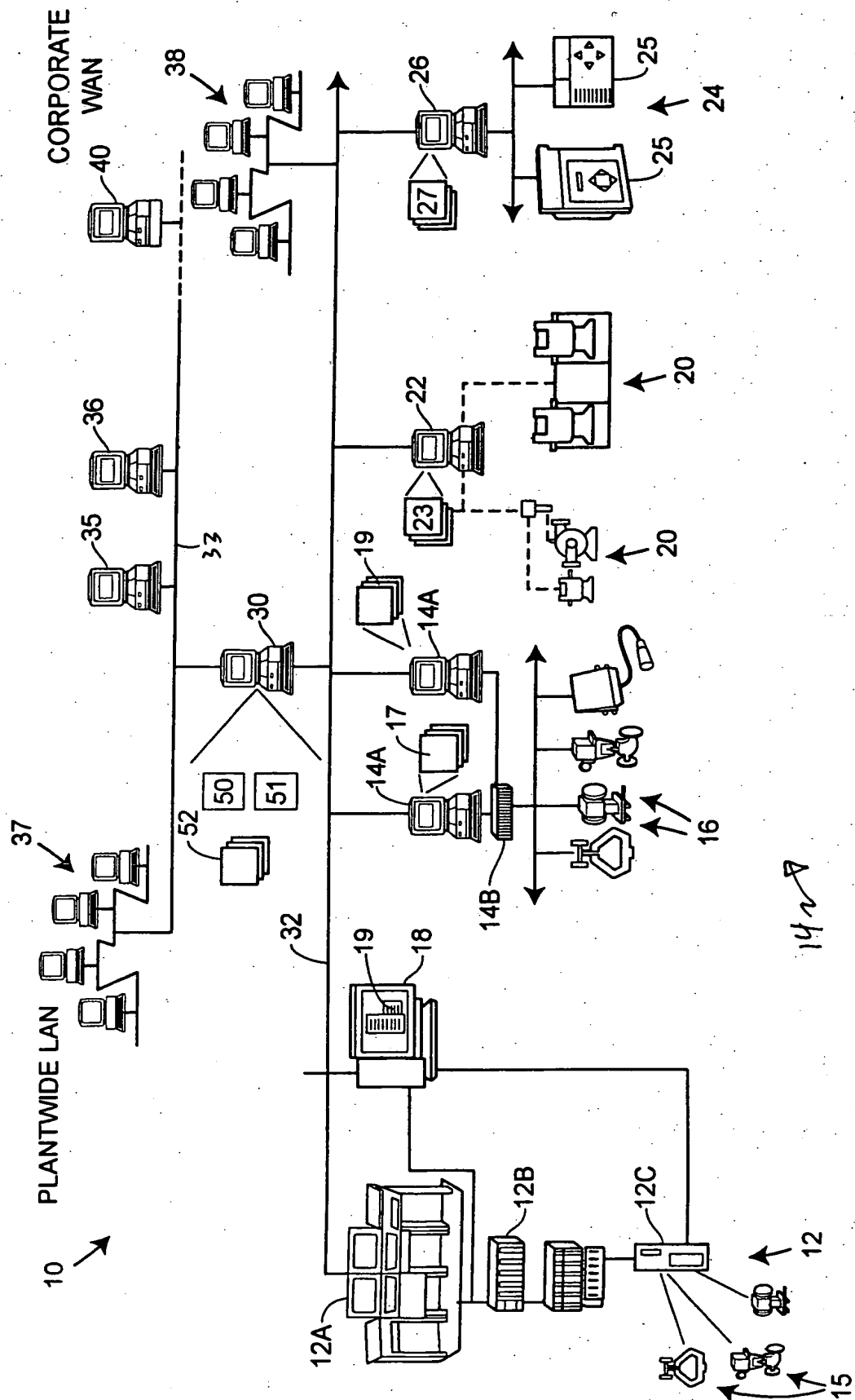
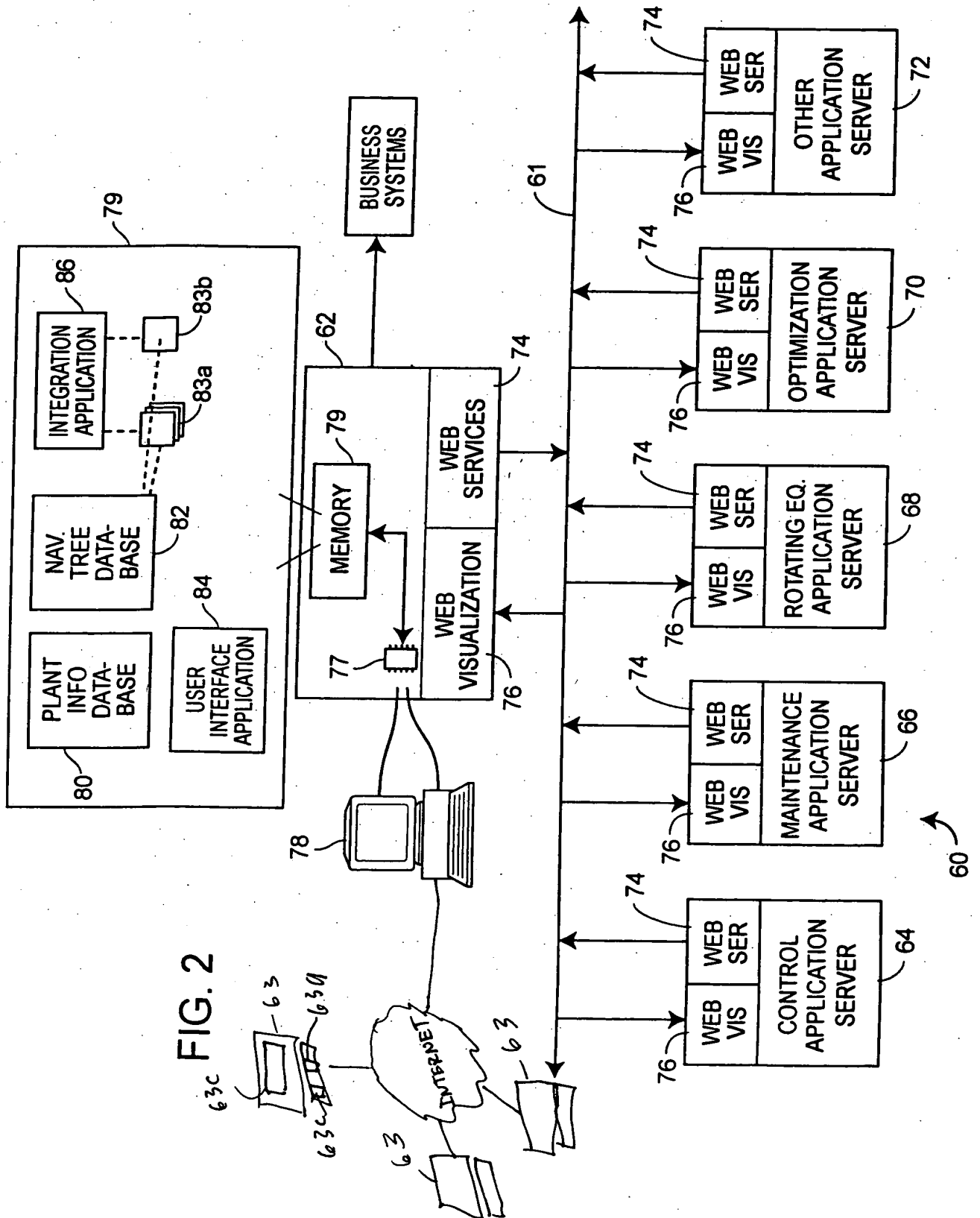


FIG. 1



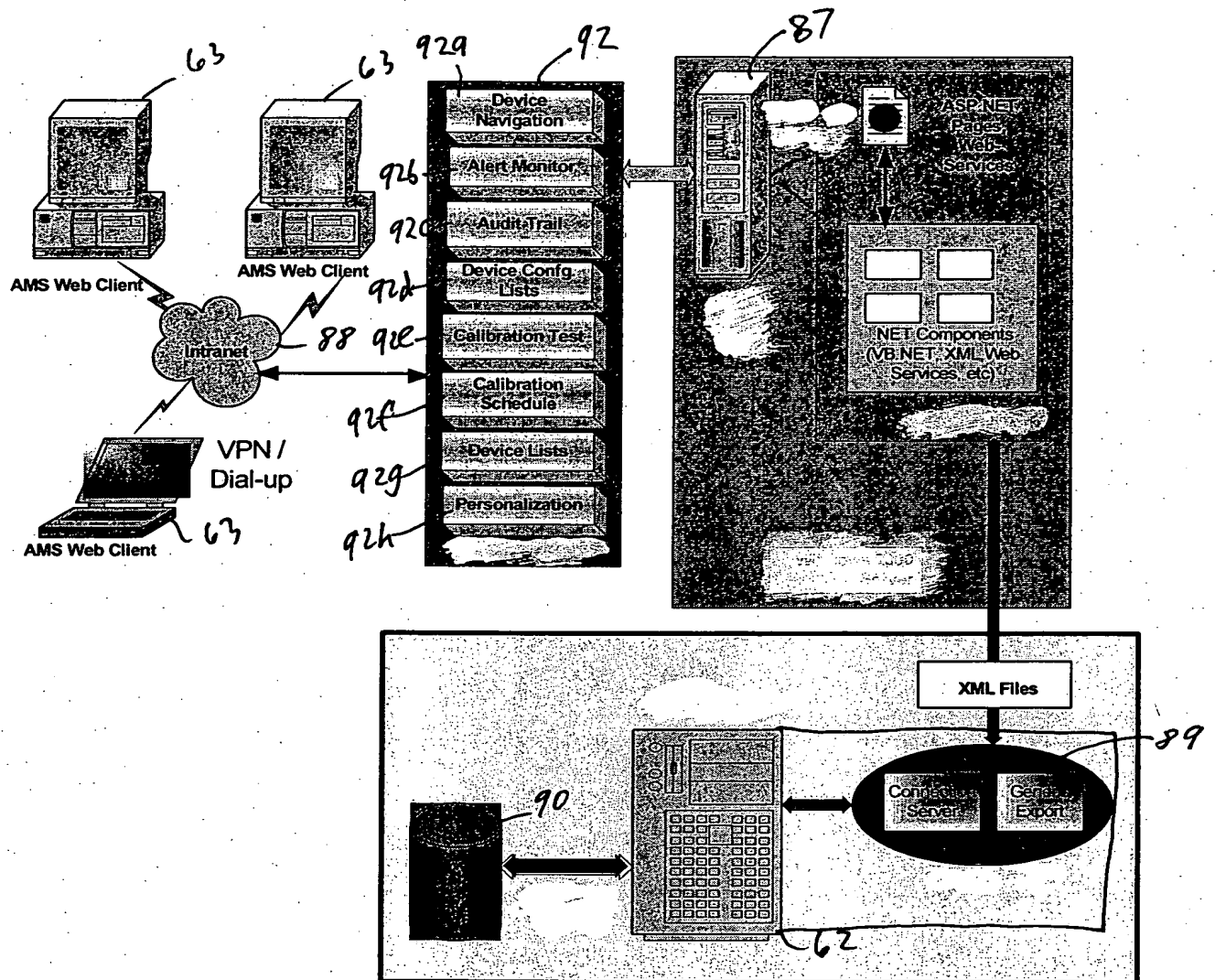


FIG. 3

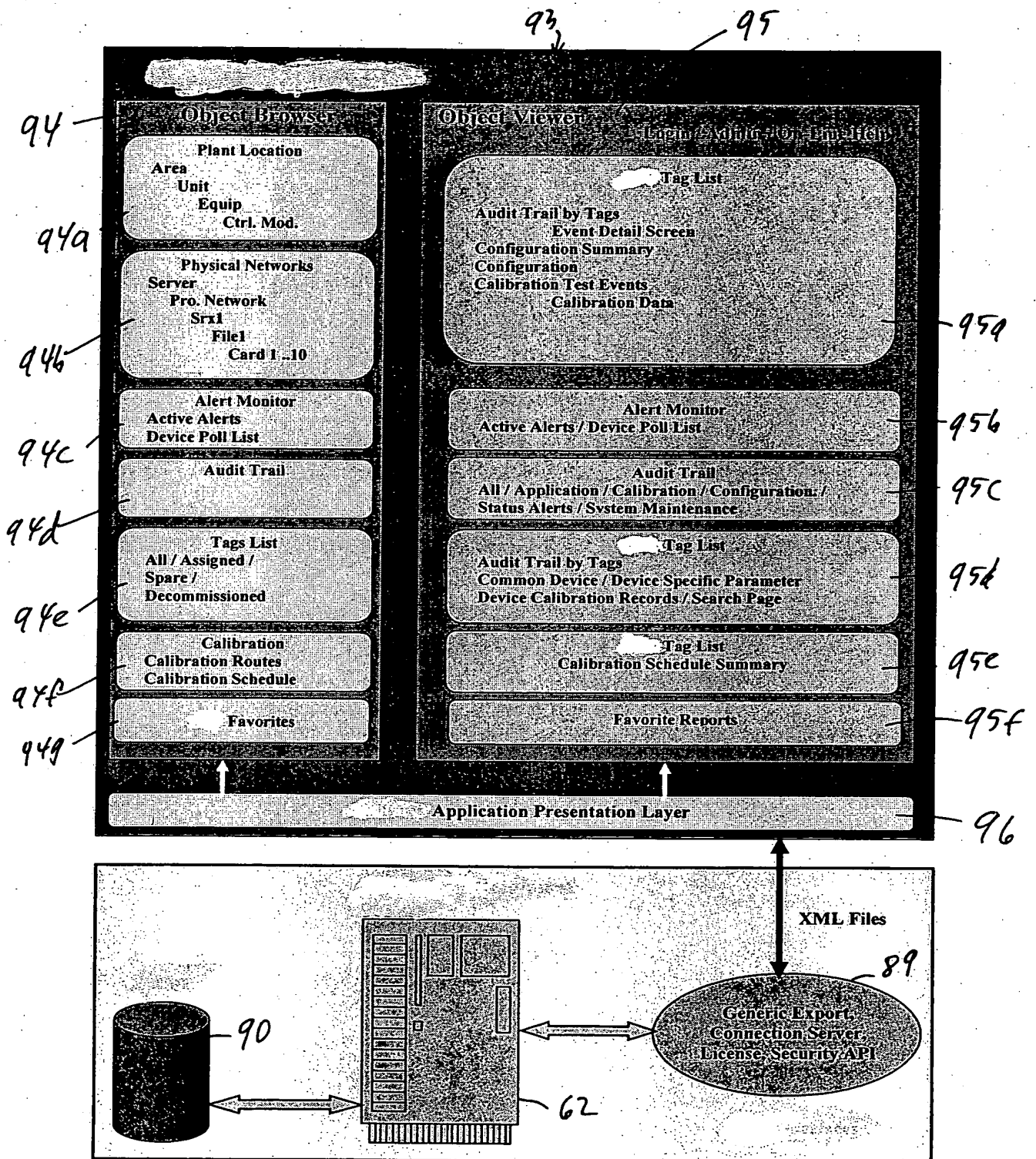


FIG. 4

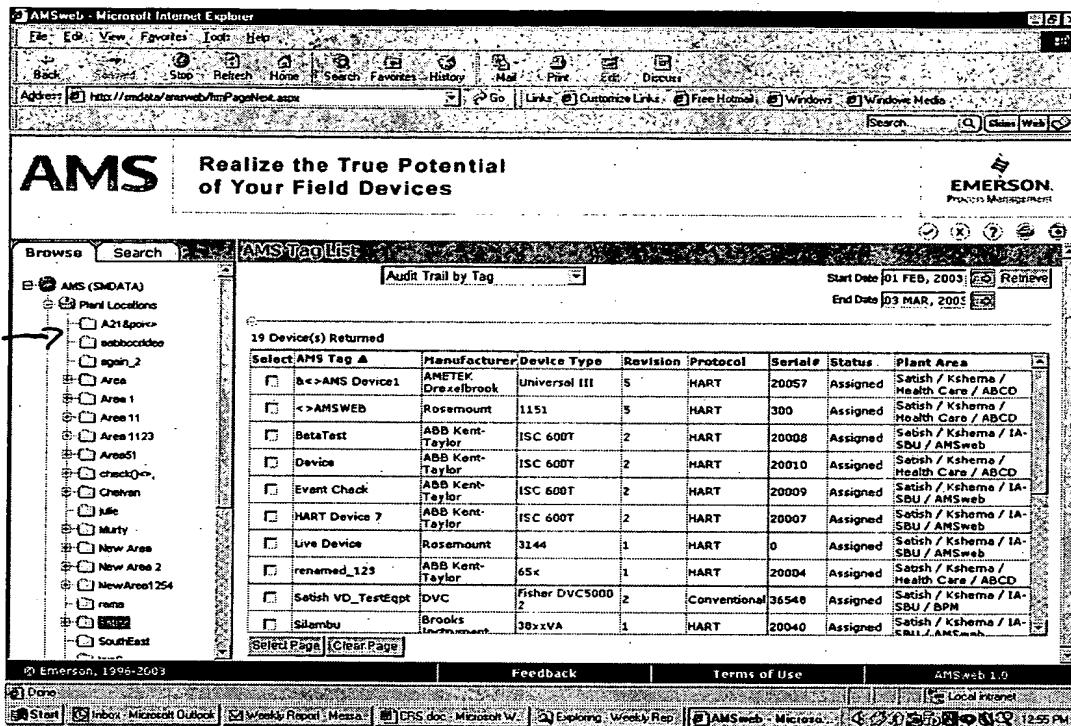


FIG. 5

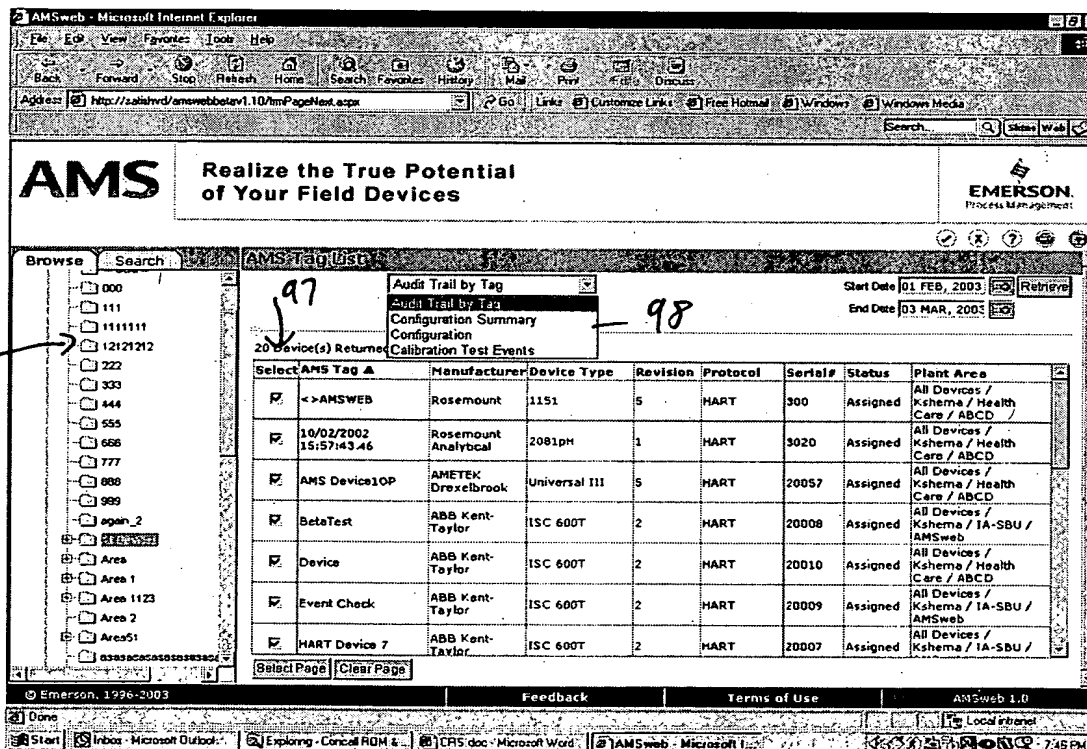


FIG. 6

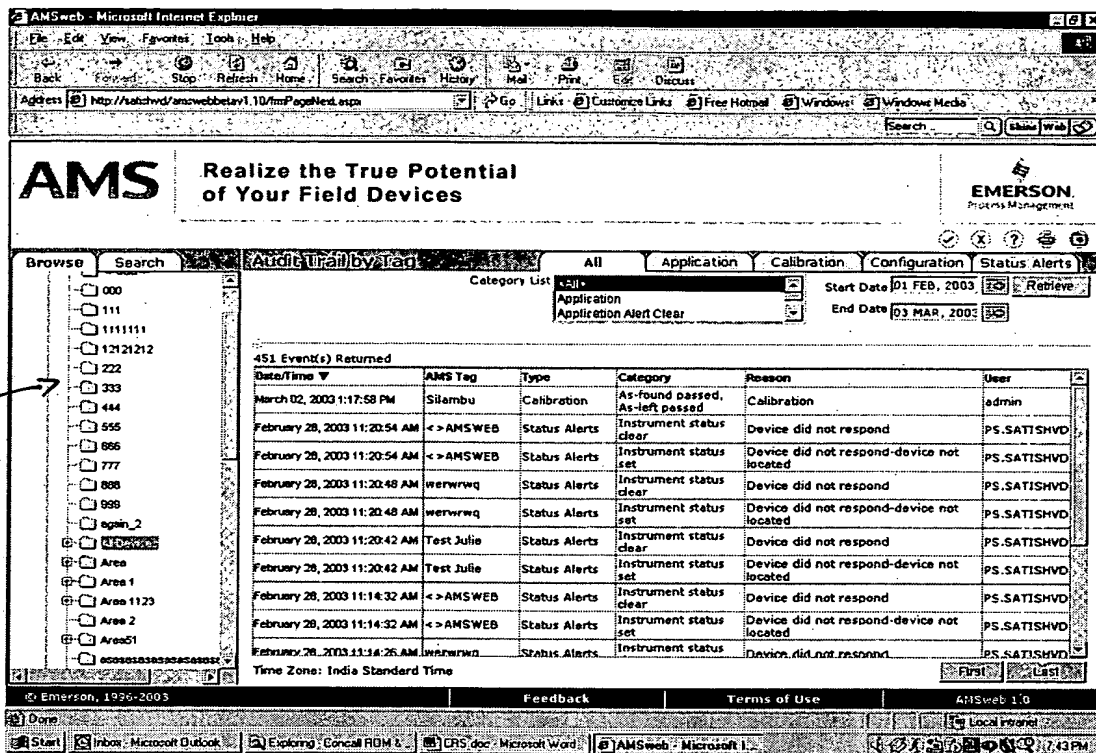


FIG. 7

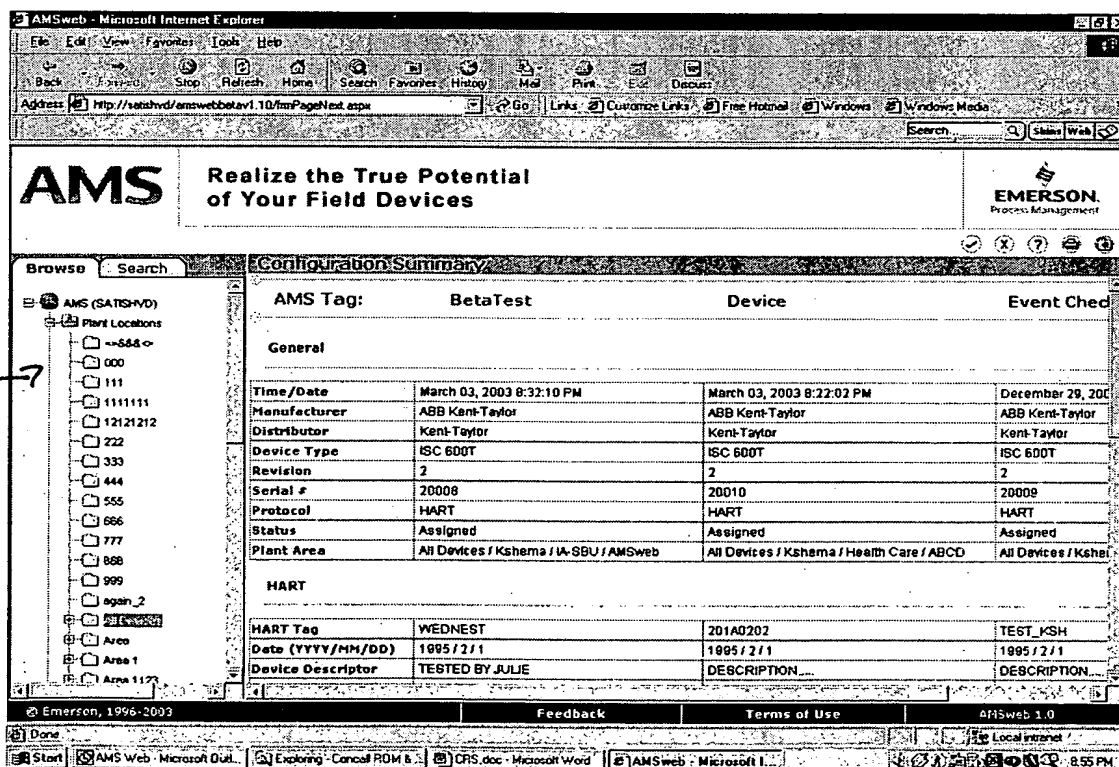


FIG. 8

Inventors: Armstrong et al.  
 Title: "Remote Data Visualization within an Asset Data System for a Process Plant"  
 Atty. Docket No.: 30203/39227  
 Sheet 6 of 23  
 Figs. 7 & 8

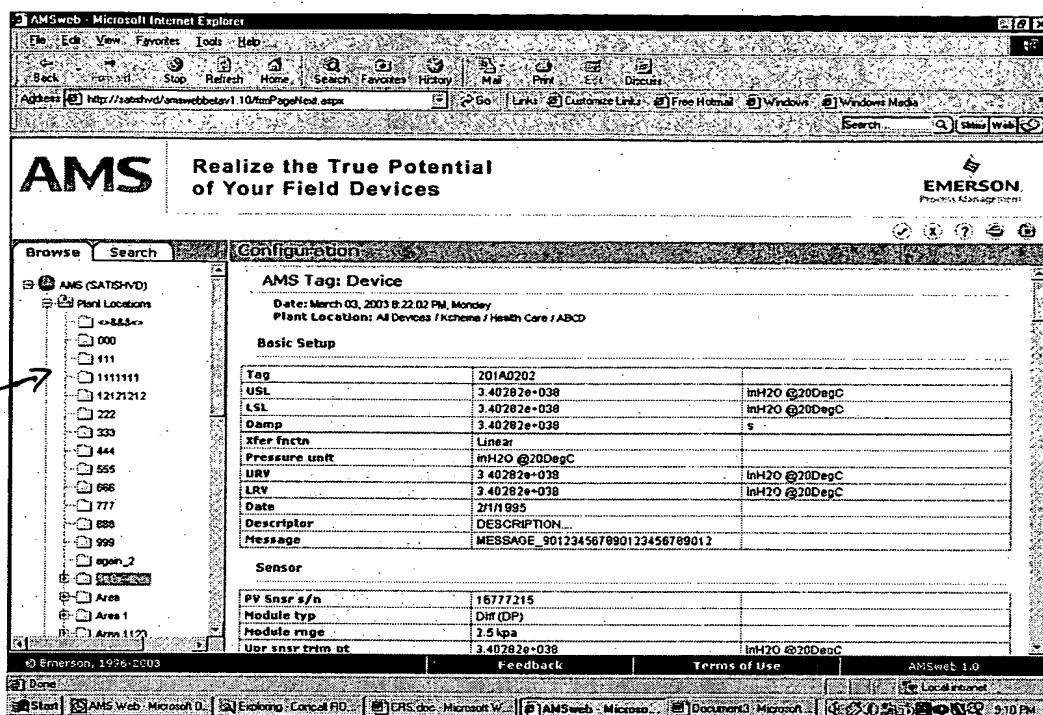


FIG. 9

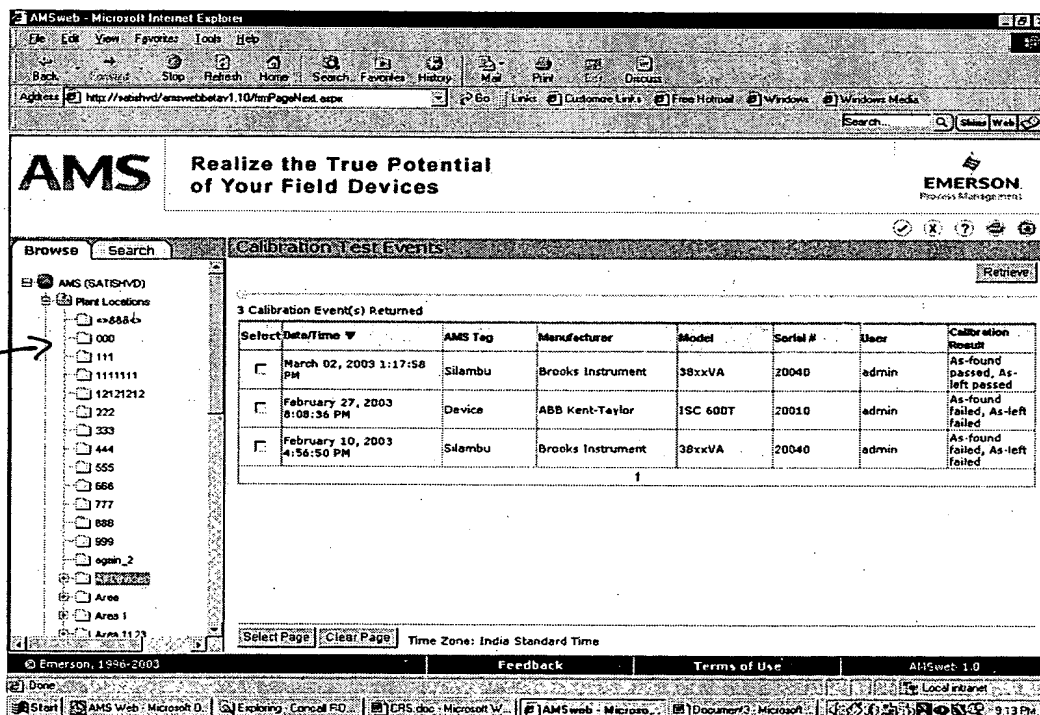


FIG. 10

Inventors: Armstrong et al.  
Title: "Remote Data Visualization within an Asset Data System for a Process Plant"  
Atty. Docket No.: 30203/39227  
Sheet 7 of 23  
Figs. 9 & 10



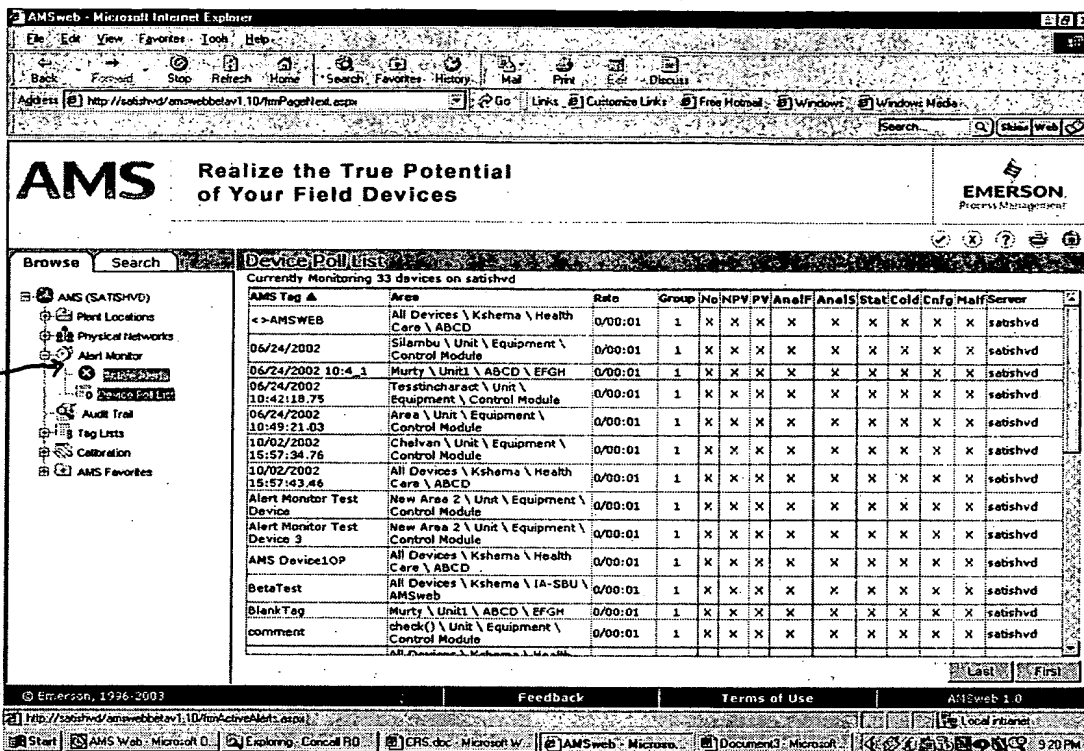


FIG. 11

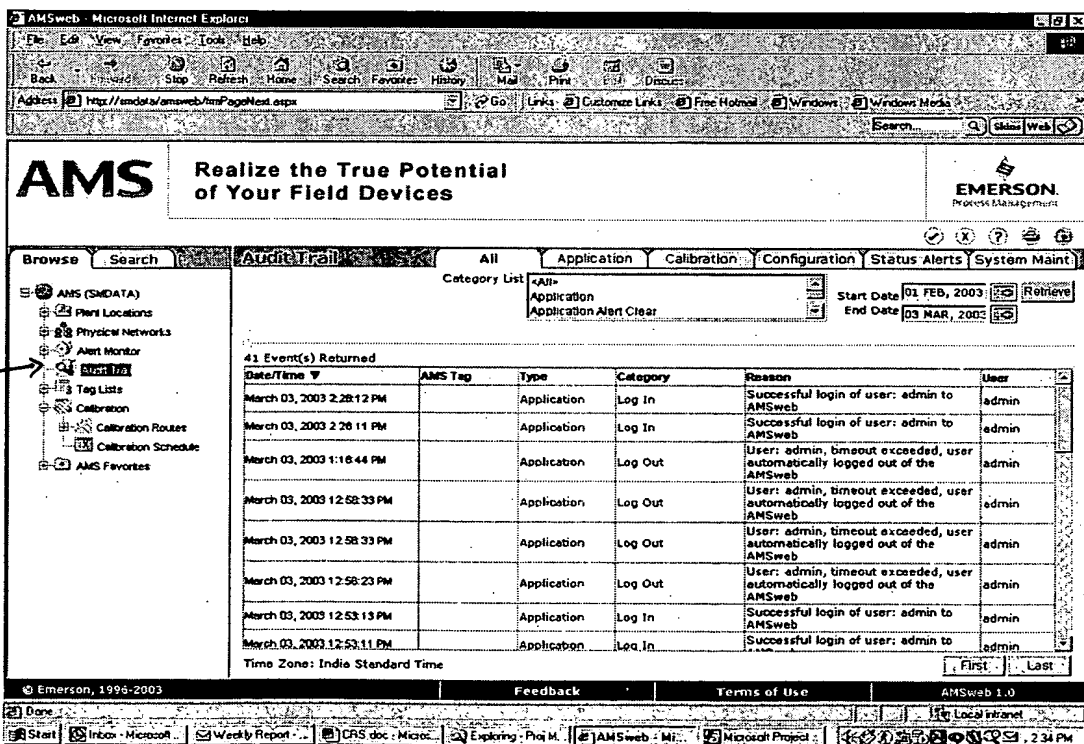


FIG. 12

Inventors: Armstrong et al.  
 Title: "Remote Data Visualization within an Asset Data System for a Process Plant"  
 Atty. Docket No.: 30203/39227  
 Sheet 8 of 23 Figs. 11 & 12

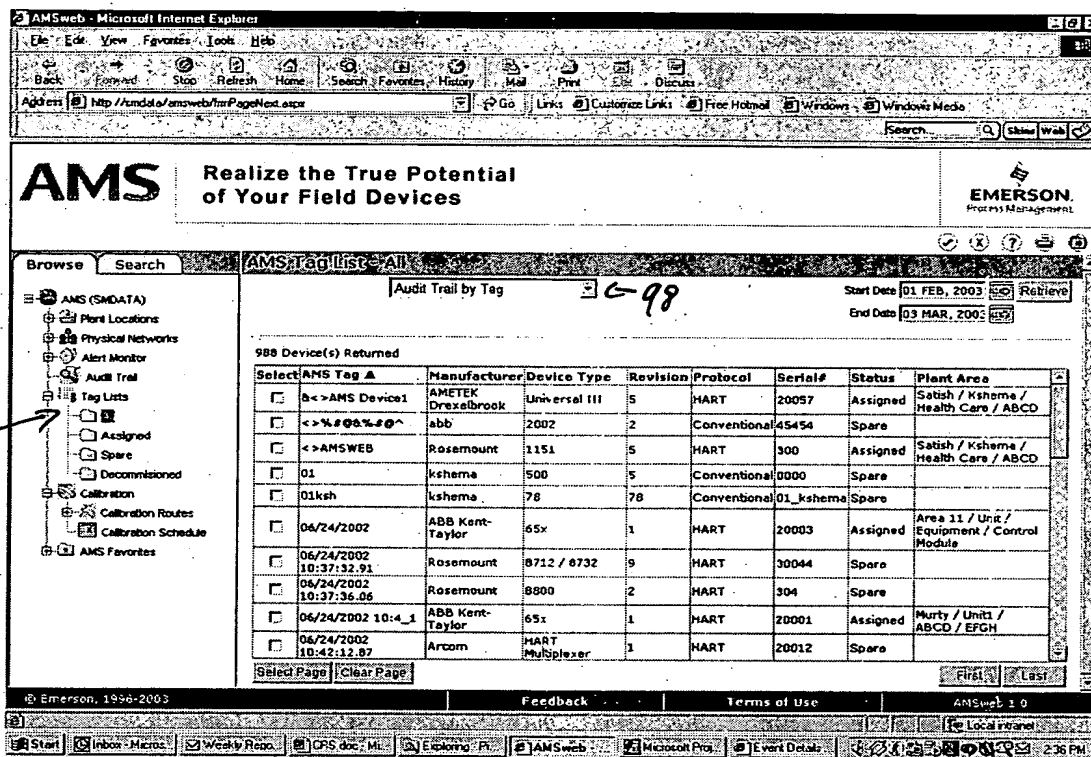


FIG. 13

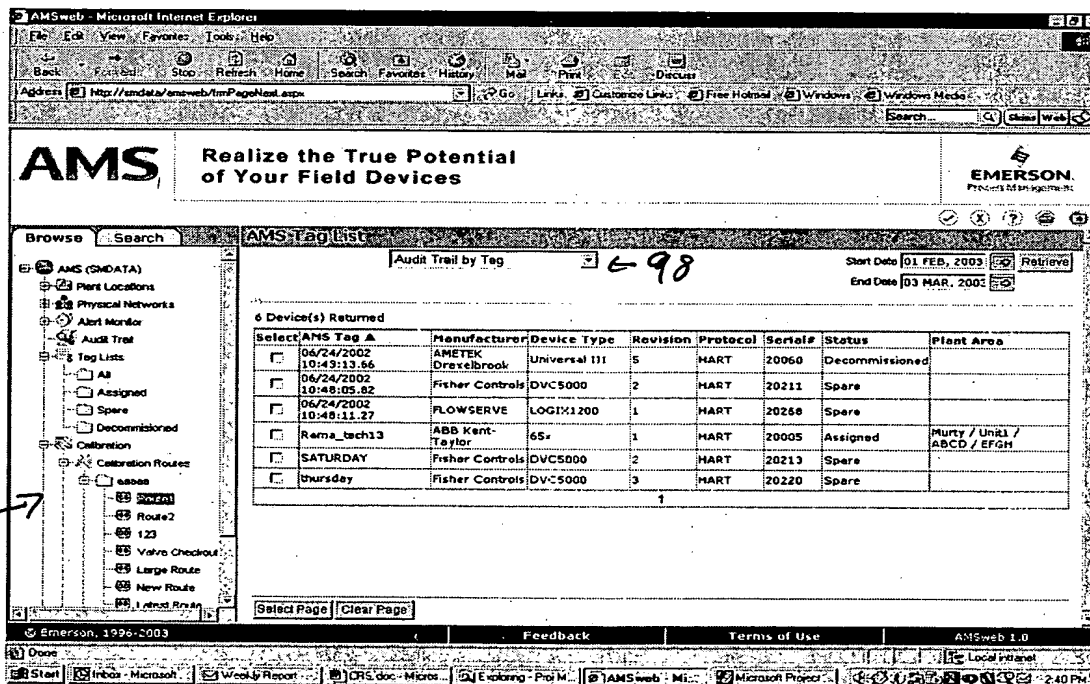


FIG. 14

Inventors: Armstrong et al.  
 Title: "Remote Data Visualization within an Asset Data System for a Process Plant"  
 Atty. Docket No.: 30203/39227  
 Sheet 9 of 23  
 Figs. 13 & 14

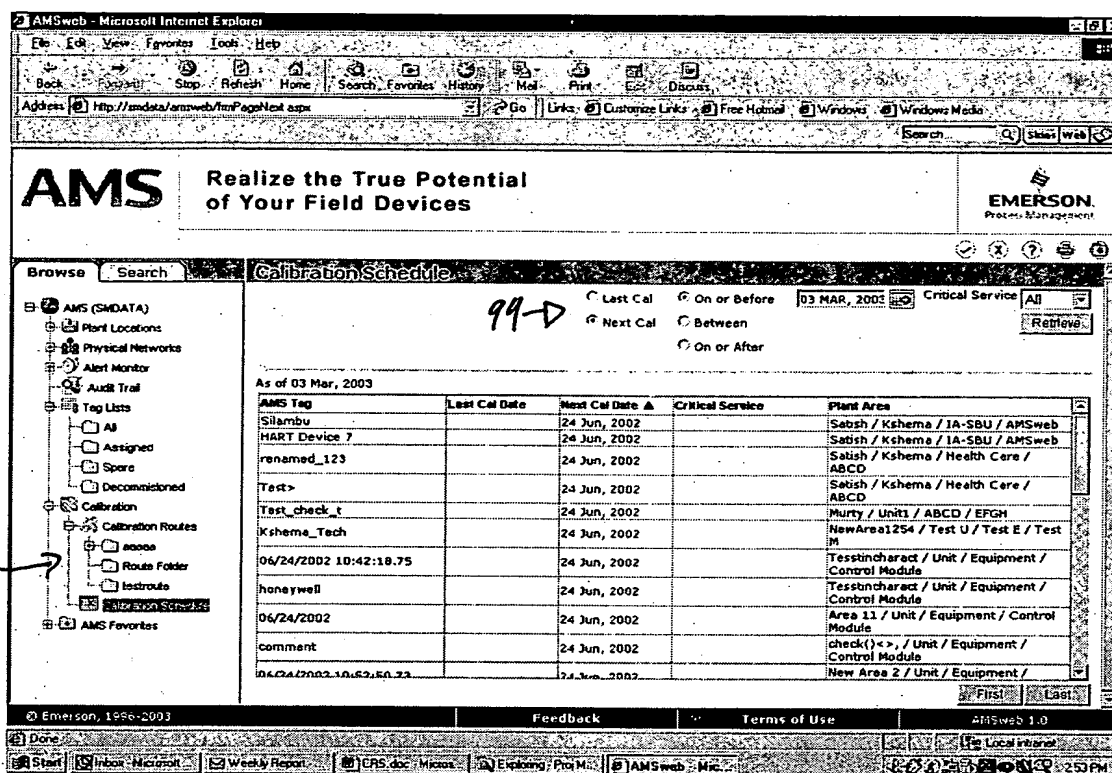


FIG. 15

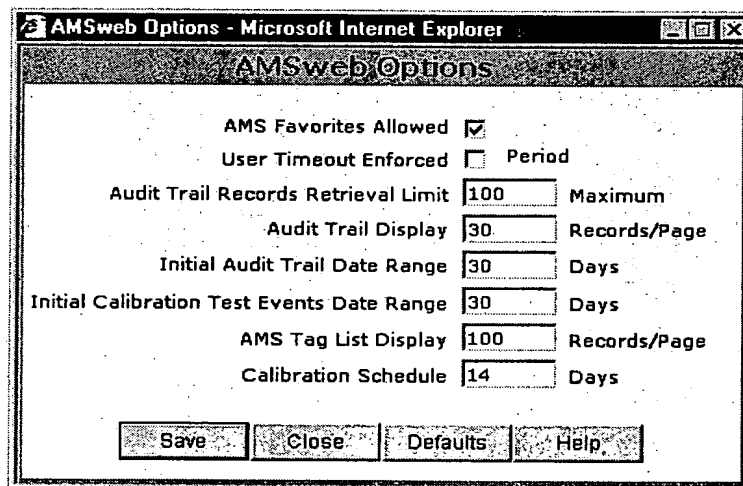


FIG. 16

Inventors: Armstrong et al.  
 Title: "Remote Data Visualization within  
 an Asset Data System for a Process Plant"  
 Atty. Docket No.: 30203/39227  
 Sheet 10 of 23  
 Figs. 15 & 16

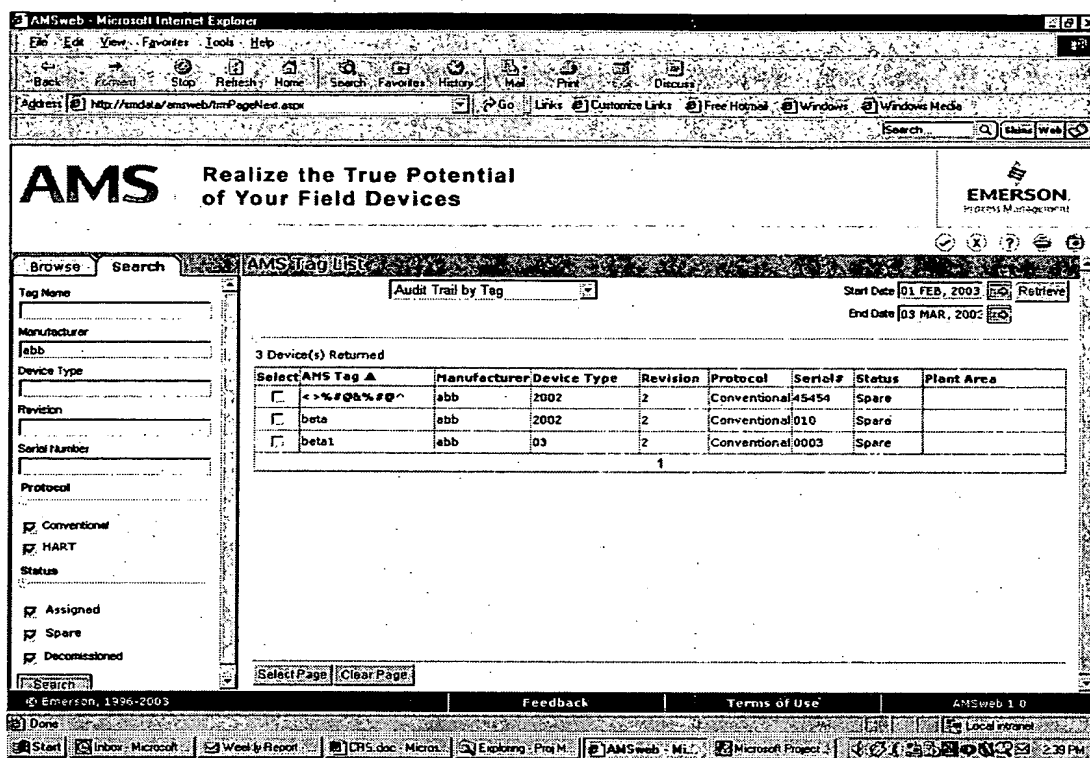


FIG. 17

Inventors: Armstrong et al.  
 Title: "Remote Data Visualization within  
 an Asset Data System for a Process Plant"  
 Atty. Docket No.: 30203/39227  
 Sheet 11 of 23 Fig. 17

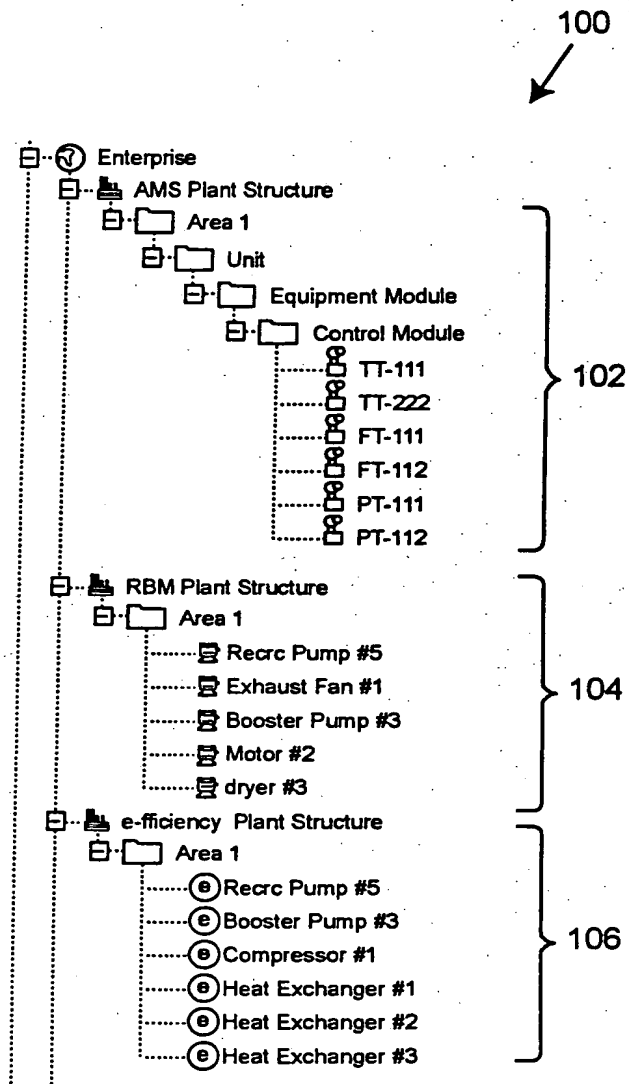


FIG. 18

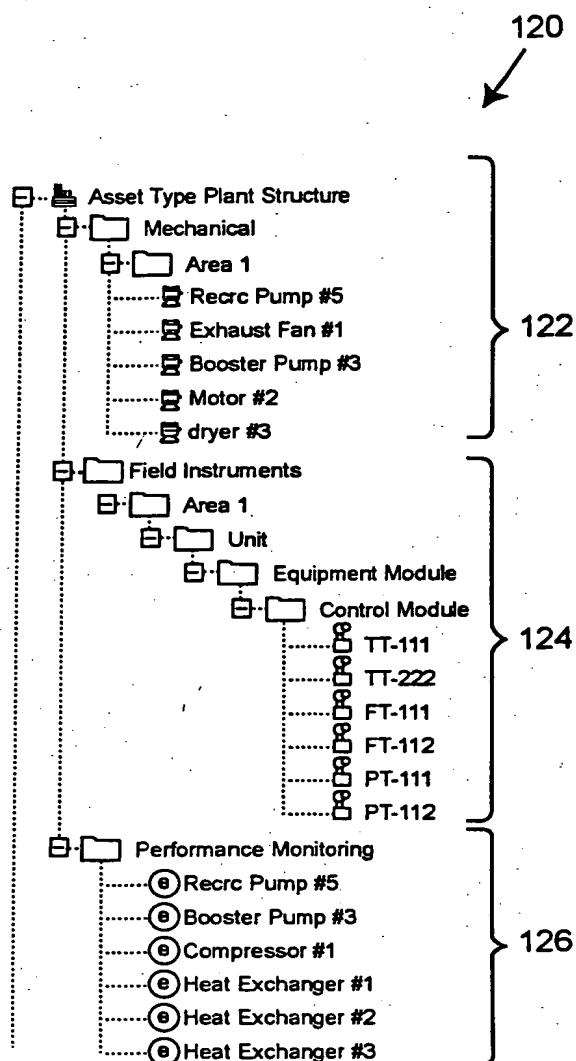


FIG. 19

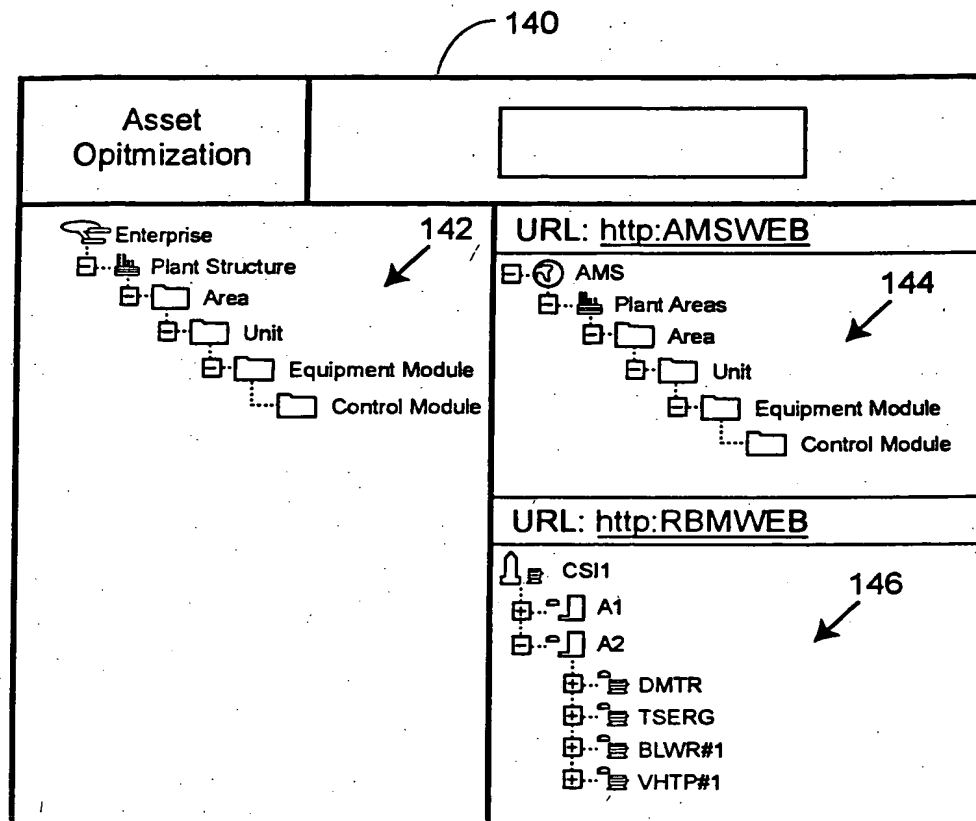


FIG. 20

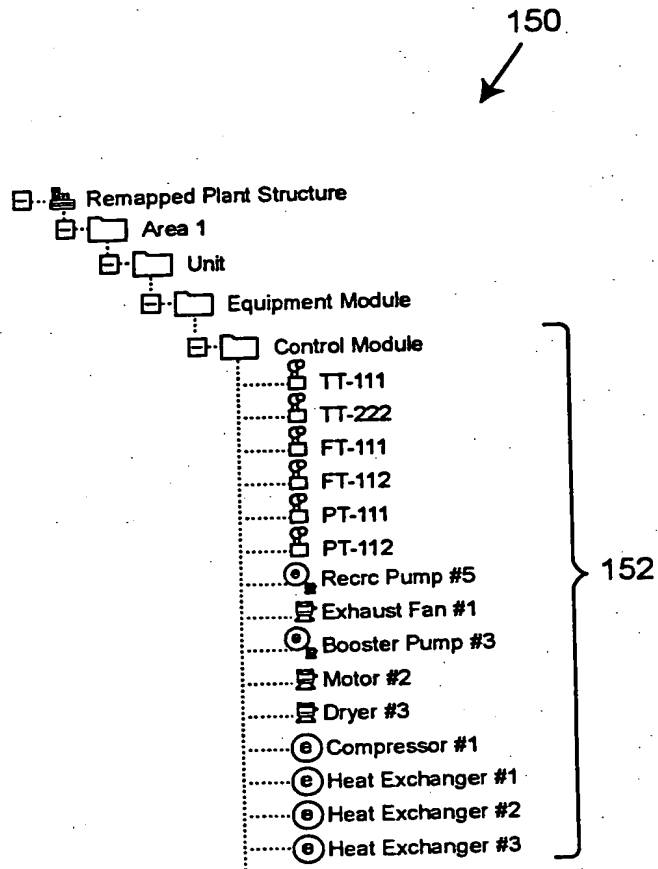


FIG. 21



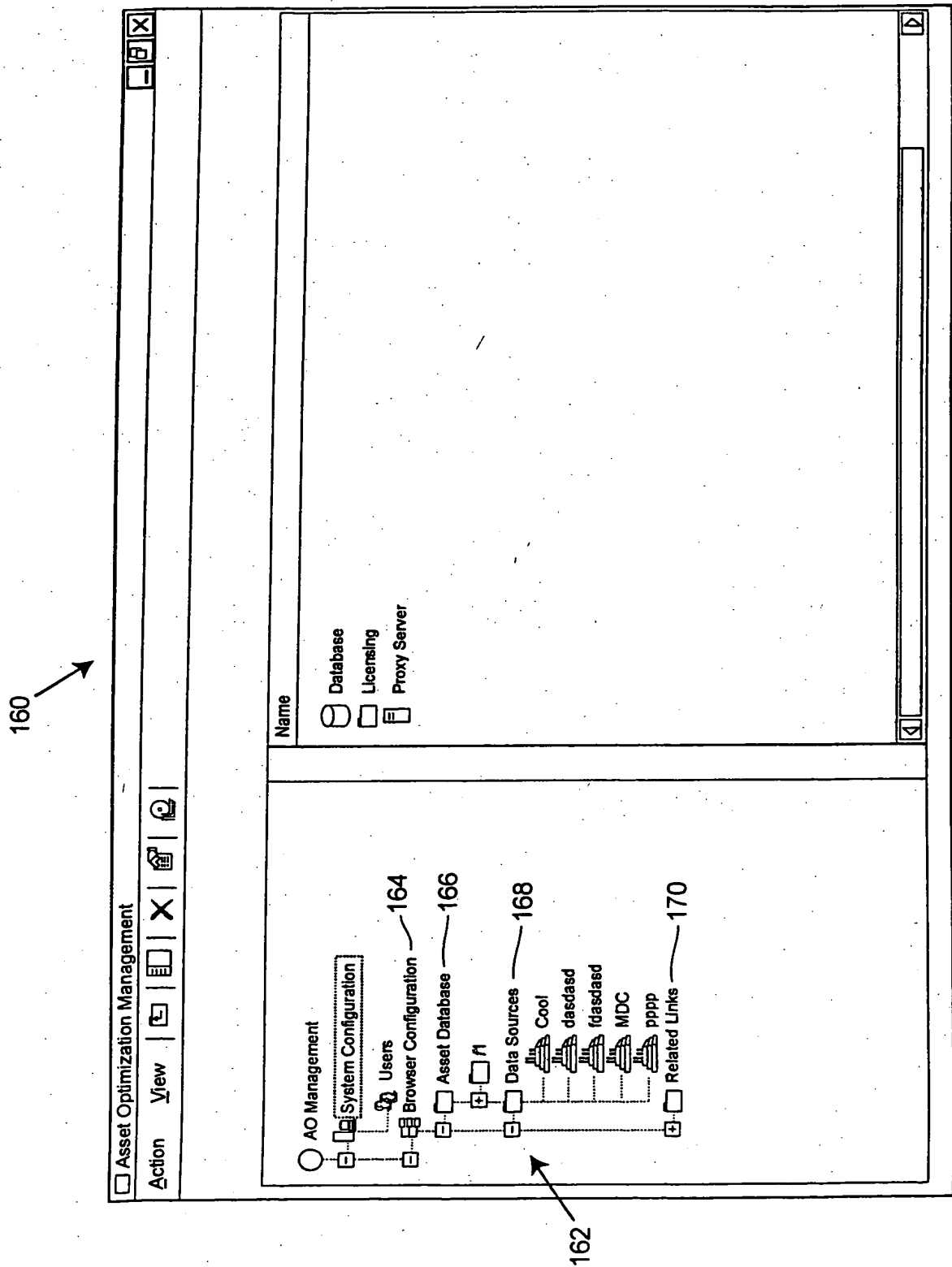


FIG. 22

2003

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FIG. 23

AssetWeb Explorer - Microsoft Internet Explorer

File Edit View Favorites Tools Help

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Address

http://localhost/assetoptimization/ASP/Home.aspx

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Asset Optimization

Improving the availability and performance of production assets

EMERSON Process Management

Assets

Active Alerts

Event History

Assets

Total Number of Assets: 2743.

Name	Type	Health Index	Description	Location
CP-150	Pump	100	Centrifugal Pump	North Central Plant
CR-2000	Compressor	79	Dense Phase Compressor	North Central Plant
CR-3000	Compressor	86	Export Gas Compressor	North Central Plant
GT-500	Gas Turbine	97	Mechanical Drive GT	North Central Plant
ST-180	Steam Turbine	93	Condensing Steam Turbine	Port Sterling
HRSG-220	HRSG	97	Heat Recovery Steam Generator	South Seas Plant
HRSG-230X	HRSG	90	Intermittent Duct Fired HRSG	South Seas Plant
HX-200	Heat Exchanger	95	Steam Condensing Heat Exchanger	South Seas Plant
SB-230	Steam Boiler	84	Coke Boiler	South Seas Plant
Motor #1		0	Current Harmonic/Unbalance	PLANT\Menace.rbm - \0001 - Area 10 (Motor Jobs)

Configure Filter

1 2 3 4 5 ... 275

Emerson, 1996 - 2002

AssetWeb Explorer 1.0

Local Intranet

JavaScript:LinkReport('0')

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AssetWeb Explorer - Microsoft Internet Explorer

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## Asset Optimization

## Improving the availability and performance of production assets

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Asset Database  
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Assets Active Alerts Event History

Total Number of Alerts: 22.

All times Central Standard Time

Date/Time	Asset Name	Severity	Description	Location
1/9/2003 11:47:51 PM	PT-2090	MAINTENANCE	Primary variable analog output saturated	\\AOTEST2\\Area2\\Process Unit\\North Equipment\\North Controls
1/9/2003 12:18:48 PM	PT-2090	MAINTENANCE	Primary variable analog output saturated	\\AOTEST2\\Area2\\Process Unit\\North Equipment\\North Controls
1/9/2003 12:09:47 PM	PT-3051	ADVISORY	Configuration changed	\\AOTEST2\\Area1\\Unit1\\Equipment Module1\\Control Module1
1/9/2003 12:09:47 PM	PT-3051	ADVISORY	Configuration changed	\\AOTEST2\\Area1\\Unit1\\Equipment Module1\\Control Module1
1/9/2003 12:09:29 PM	PT-2088	MAINTENANCE	Primary variable analog output saturated	\\AOTEST2\\Area2\\Process Unit\\North Equipment\\North Controls
1/9/2003 12:09:29 PM	PT-2088	MAINTENANCE	Primary variable analog output saturated	\\AOTEST2\\Area2\\Process Unit\\North Equipment\\North Controls
1/9/2003 12:09:23 PM	MV-3095	ADVISORY	Configuration changed	\\AOTEST2\\Area1\\Unit1\\Equipment Module1\\Control Module1
1/9/2003 12:09:23 PM	MV-3095	ADVISORY	Configuration changed	\\AOTEST2\\Area1\\Unit1\\Equipment Module1\\Control Module1
1/9/2003 12:09:23 PM	MV-3095	MAINTENANCE	Primary variable analog output fixed	\\AOTEST2\\Area1\\Unit1\\Equipment Module1\\Control Module1
1/9/2003	MV-3095	MAINTENANCE	Primary variable analog	\\AOTEST2\\Area1\\Unit1\\Equipment Module1\\Control Module1

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AssetWeb Explorer 1.0

Done Local Intranet

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FIG. 25

AssetWeb Explorer - Microsoft Internet Explorer

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Asset Optimization

Improving the availability and performance of production assets

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Assets

Active Alerts

Event History

Total Number of Events: 122.

Event History

All times Central Standard Time

Date/Time	Asset Name	Type	Description	Location
1/9/2003 1:47:51 PM	PT-2090	Status Alerts	Primary variable analog output saturated	VAOTEST2\Area2\Process Unit\North Equipment\North Controls
1/9/2003 1:47:28 PM	PT-2090	Configuration Change	Routine Service	VAOTEST2\Area2\Process Unit\North Equipment\North Controls
1/9/2003 1:47:09 PM	PT-2090	Device Synchronization	Device/database synchronization successful with no differences found	VAOTEST2\Area2\Process Unit\North Equipment\North Controls
1/9/2003 1:43:41 PM	PT-2090	Configuration Change	Send warning executed	VAOTEST2\Area2\Process Unit\North Equipment\North Controls
1/9/2003 1:43:04 PM	PT-2090	Configuration Change	Send warning executed	VAOTEST2\Area2\Process Unit\North Equipment\North Controls
1/9/2003 1:42:38 PM	PT-2090	Status Alerts	Primary variable analog output saturated	VAOTEST2\Area2\Process Unit\North Equipment\North Controls
1/9/2003	PT-2090	Configuration	Routine Service	VAOTEST2\Area2\Process Unit\North Equipment\North Controls

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javascript:LinkReport('2')

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AssetWeb Explorer 1.0

Local Intranet

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Asset Optimization

Improving the availability and performance of production assets

EMERSON

Process Management

Assets

Active Alerts

Event History

Total Number of Assets: 3.

Name	Type	Health Index	Description	Location
Motor 1	Field Instrument	0	Rosemount 2088	Asset Database\New Folder\North Equipment\North Controls
Motor 2	Field Instrument	0	Rosemount 2090	Asset Database\New Folder\North Equipment\North Controls
TI-3044C	Field Instrument	100	Rosemount 3044C	Asset Database\New Folder\North Equipment\North Controls

Configure Filter

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Asset Optimization

Asset Database

Northwest Area

Southwest Area

Data Sources

Favorites

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AssetWeb Explorer 1.0

Local Intranet

FIG. 26

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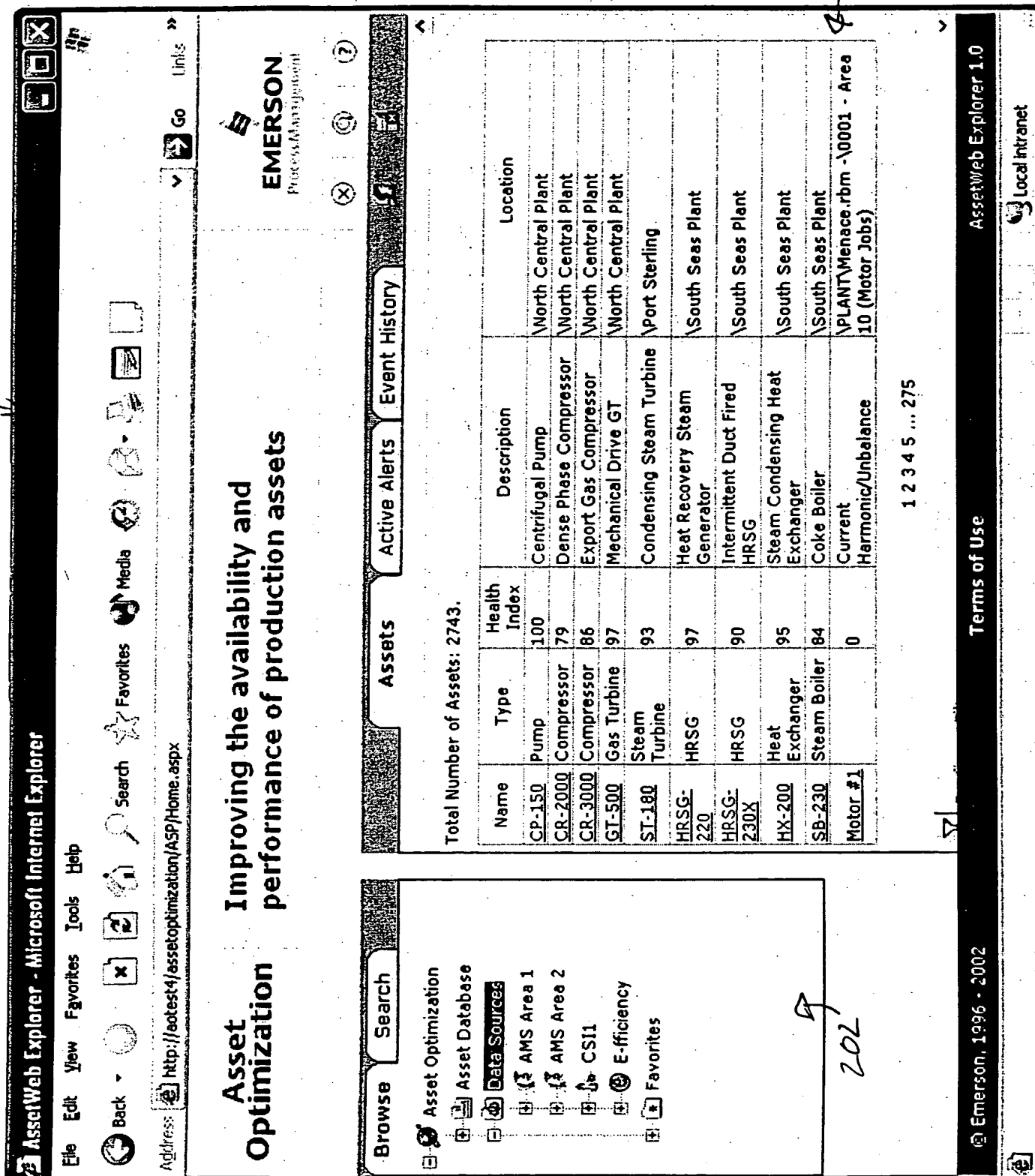


FIG. 27

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AssetWeb Explorer - Microsoft Internet Explorer

File Edit View Favorites Tools Help

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Address: http://aotest4/assetoptimization/ASP/Home.aspx

Asset Optimization

Asset Database

Data Sources

AOTEST2

AMS Area 2

CSI1

E-Efficiency

Favorites

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EMERSON

Process Management

Assets

Active Alerts

Event History

MV-3095 Asset Details

Area1Unit1Equipment Module1Control Module12002-04-08T20:47:29Z

Device Specific Parameters

Basic Setup	
Tag	MV-102
DP unit	InH2O
AP Units	psi
GP Units	psi
Process temp unit	degF
Flow Units	kg/h
Flow Total Unit	StdCuft
PV Is	DP
DP URV	250.00
DP LRV	-250.00
Date	2/28/2001
Descriptor	

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AssetWeb Explorer 1.0

Local Intranet

FIG. 28

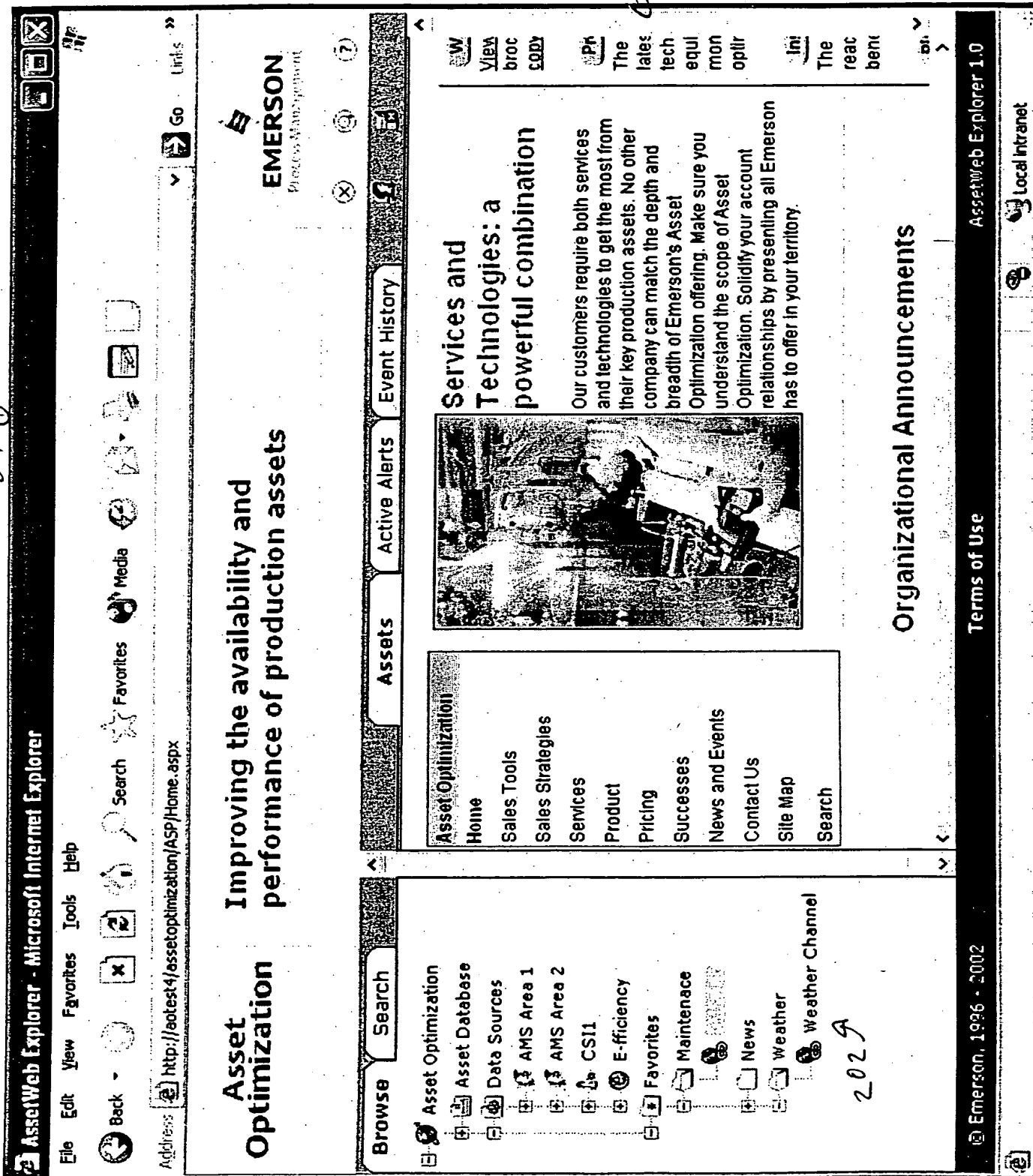


FIG. 29